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PTO/SB/21 (08-00)

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/627,281
Filing Date	Jul 25, 2003
First Named Inventor	Eisentraeger
Group Art Unit	2131
Examiner Name	
Attorney Docket Number	MS1-1275US

Total Number of Pages in This Submission

## ENCLOSURES (check all that apply)

- |   |  |  |
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Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Thomas A. Jolly, Reg. No. 39,241
Signature	
Date	3/17/2004

## CERTIFICATE OF MAILING

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. .... 10/627,281  
Filing Date ..... July 25, 2003  
Inventorship ..... Eisentraeger  
Applicant ..... Microsoft Corporation  
Attorney's Docket No. .... MS1-1275US  
Title: **Improved Weil and Tate Pairing Techniques Using Parabolas**

**INFORMATION DISCLOSURE STATEMENT**


*References -- See Attached Form PTO-1449*

**REMARKS**

The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

Respectfully Submitted,

Date: 3/17/2004

By:   
Thomas A. Jolly  
Reg. No. 39,241

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	10/627,281
				Filing Date	July 25, 2003
				First Named Inventor	Eisentraeger
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	MS1-1275US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		EISENTRAGER, KIRSTEN et al., "Fast Elliptic Curve Arithmetic and Improved Weil Pairing Evaluation," Topics in Cryptology, CT-RSA 2003, Marc Joye (Ed), pp. 343-354, LNCS 2612, Springer-Verlag, 2003.	
		BONEH, DAN, et al., "Identity-Based Encryption from the Weil Pairing," SIAM J. COMPUT., Vol 32, No. 3, pp. 586-615, 2003 Society for Industrial and Applied Mathematics.	
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		FREY, GERHARD et al., "A Remark Concerning m-Divisibility and the Discrete Logarithm in the Divisor Class Group of Curves," Mathematics of Computation, Vol. 62, No. 206, April 1994, pp. 865-874.	
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		CANTOR, DAVID G., "Computing in the Jacobian of a Hyperelliptic Curve," Mathematics of Computation, Vol. 48, No. 177, January 1987, pp. 95-101.	
		BARRETO, PAULO S.L.M., et al., "Efficient Algorithms for Pairing-Based Cryptosystems," Universidade de Sao Paulo, Escola Politecnica, Sao Paulo (SP), Brazil & Computer Science Department, Stanford University, USA, pp. 1-16.	
		JOUX, ANTOINE, "The Weil and Tate Pairings as Building Blocks for Public Key Cryptosystems (Survey)," C. Fieker and D.R. Kohel (eds.): ANTS 2002, LNCS 2369, pp. 20-32, 2002 (Springer-Verlag Berlin Heidelberg 2002).	

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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